

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	84	Gallium near nitride near III	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/17 10:07
S3	770465	heterojunction near bipolar nea transistor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/17 11:26
S4	0	S3 and (gallium near3 ntiride)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/17 10:08
S5	2612	S3 and (gallium near3 nitride)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/23 12:48
S6	5210	S3 and (gallium near3 nitride "GaN")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/17 10:09
S7	2534	S6 and (base collector emitter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/17 10:11
S8	4950	S6 and ((p near type) near base) ((n near type) near collector) ((p near type) near emitter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/17 10:12

## EAST Search History

S9	10	S6 and ((p near type) near base) and ((n near type) near collector) and ((p near type) near emitter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/17 10:14
S10	2	("20020146855").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/17 11:25
S11	3087	"InGaN" near5 "GaN"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/17 13:01
S12	4768	heterojunction near bipolar near transistor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/17 11:27
S13	3	S11 with S12	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/17 12:57
S14	28	"InGaN" near5 graded	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/17 11:36
S15	1	10/516380	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/17 11:36
S16	1	("2002/0195619").URPN.	USPAT	OR	OFF	2006/12/17 12:44

## EAST Search History

S17	7	("20020149033"   "5831277"   "6605486").PN. OR ("6667498").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/17 12:44
S18	5	S11 same S12	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/17 12:57
S19	41	("InGaN" near5 base) with ("GaN" mear5 (collector emitter))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/17 13:01
S20	1	("2002/0195619").URPN.	USPAT	OR	OFF	2006/12/17 13:18
S21	631170	wo 2004/061971	US-PGPUB; USPAT	OR	OFF	2006/12/17 13:32
S22	3	(p near type) with ("InGaN" near base near (layer film))	US-PGPUB; USPAT	OR	OFF	2006/12/17 13:20
S24	0	("N-AlGaN" with "p-InGaN" with "n-GaN") and (Heterojunction near Bipolar near Transistors)	US-PGPUB; USPAT	OR	OFF	2007/10/23 15:40
S25	0	("N-AlGaN" with "p-InGaN" with "n-GaN") and (Heterojunction near5 Bipolar near5 Transistors)	US-PGPUB; USPAT	OR	OFF	2006/12/17 13:34
S26	38	("AlGaN" with "InGaN" with "GaN") and (Heterojunction near5 Bipolar near5 Transistors)	US-PGPUB; USPAT	OR	OFF	2006/12/17 13:34
S27	38	("AlGaN" with "InGaN" with "GaN") and (Heterojunction near5 Bipolar near5 Transistors)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/17 13:40
S28	1372	Makimoto.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/17 13:42

## EAST Search History

S29	13	S28 and ("GaN" "InGaIn")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/17 13:51
S30	0	Makimoto near Tosiki.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/17 13:43
S31	47	Makimoto near Toshiki.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/17 13:48
S32	0	(workman near nydegger).as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/17 13:50
S33	154	(workman).as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/17 13:50
S34	0	S33 and S31	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/17 13:49
S35	0	(workman near nydegger near seeley).as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/17 13:50

## EAST Search History

S36	0	(nydegger near seeley).as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/17 13:50
S37	0	S33 and ("GaN" "InGaIn")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/17 13:51
S38	15	S28 and ("GaN" "InGaN")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/17 13:51
S39	0	("20020146855" "20020195619").PN.	USPAT	OR	OFF	2007/07/06 17:41
S40	2	("20020146855" "20020195619").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/07 07:15
S41	1	10/516380	US-PGPUB; USPAT	OR	OFF	2007/07/07 07:15
S43	52	257/e33.048.ccis.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/23 12:48
S47	1617	257/197-198.ccis.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/23 13:04
S49	62993	(indium near8 nitride) "InAlGaAsN" "InGaN" "InAsN" "InN" "InAlGaN"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/23 13:32

## EAST Search History

S50	42	S47 and S49	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/23 13:11
S51	30	257/e33.023.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/23 13:15
S52	15	S49 and S51	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/23 13:12
S53	92	257/e33.025.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/23 13:29
S54	37	S49 and S53	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/23 13:16

## EAST Search History

S55	118	( "3528387"   "3683240"   "3819974"   "3829556"   "3849707"   "3922271"   "3980044"   "3992233"   "4095331"   "4144116"   "4153905"   "4268842"   "4379020"   "4420684"   "4448633"   "4473938"   "4476620"   "4483725"   "4575925"   "4585541"   "4589015"   "4608581"   "4614961"   "4615766"   "4616248"   "4645977"   "4683838"   "4766971"   "4792467"   "4800100"   "4819057"   "4819058"   "4855249"   "4862471"   "4862877"   "4866007"   "4897149"   "4906900"   "4908074"   "4911102"   "4918497"   "4941430"   "4946547"   "4946548"   "4947085"   "4960728"   "4966862"   "4966867"   "4967089"   "4980730"   "4983249"   "4985742"   "4990972"   "4999082"   "5005057"   "5006908"   "5010033"   "5015327"   "5016563"   "5024182"   "5027168"   "5042043"   "5063421"   "5068204"   "5076860"   "5079184"   "5093576"   "5097298"   "5111052"   "5111111"   "5119540"   "5122845"   "5140385"   "5143896"   "5146465"   "5173751"   "5178911"   "5181986"   "5182670"   "5192419"   "5200022"   "5205905"   "5210051"   "5211825"   "5218216"   "5237182"   "5243204"   "5248631"   "5272108"   "5278433"   "5290393"   "5298767"   "5300793"   "5302266"   "5304820"   "5306662"   "5307363"   "5313078"   "5316585"   "5321713"   "5323022"   "5329141"   "5334277"   "5338944"   "5356672"   "5359345"   "5385862"   "5398641"   "5506405"   "5511509"   "5512102"   "5530267"   "5549747"   "5585648"   "5657335"   "5733796"   "6249092"). PN. OR ("7235819").URPN.	US-PGPUB; USPAT; USOCR;	OR	OFF	2007/10/23 13:21
S56	330	257/189.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/23 13:51
S57	5991	S49 with (electrode contact conduct\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/23 13:29

## EAST Search History

S58	14	S56 and S57	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/23 13:29
S59	63442	(indium near8 nitride) "InAlGaAsN" "InGaN" "InAsN" "InN" "InAlGaN" "AlInGaN" "GaNAlIn" "GaAlInN" "AlGaNIn" "AlGaInN"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/23 18:20
S62	66	S56 and S59	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/23 13:51
S63	1196	257/200.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/23 13:51
S64	83	S63 and S59	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/23 13:51
S65	3	("20020195619"   "5641975"   "6858509").PN. OR ("7230285"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/23 15:21
S66	431	257/201.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/23 15:22
S68	85	S66 and S67	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/23 15:40

## EAST Search History

S70	50	257/e33.032-e33.034.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/23 15:46
S71	794	257/e29.043-e29.044.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/23 15:51
S72	8	S71 and S67	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/23 15:51
S73	29	257/e29.19.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/23 15:54
S74	0	S73 and S67	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/23 15:51
S75	7837	257/183-201.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/23 15:55
S76	588	S75 and S67	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/23 15:55

## EAST Search History

S77	376	S76 and @ad<"20040106"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/23 17:30
S78	38	("20020036286"   "20020042159"   "20020043890"   "20040026704"   "20040051105"   "3909929"   "5274251"   "5332697"   "5429954"   "5633192"   "5652438"   "5717226"   "5767581"   "5786233"   "5787104"   "5804918"   "5874747"   "5880485"   "5888886"   "5900650"   "5929466"   "6030848"   "6090666"   "6103604"   "6172382"   "6191436"   "6242328"   "6261862"   "6277665"   "6303473"   "6355945"   "6399966"   "6423984"   "6455337"   "6465808"   "6466597"   "6586779").PN. OR ("7005685"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/23 17:13
S79	7	("20020149033"   "5831277"   "6605486").PN. OR ("6667498"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/23 17:26
S80	8206	S67 near5 (electrode layer pattern film area region contact)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/23 17:29
S81	1519	S67 near5 (electrode contact)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/23 17:50
S82	569	S81 and @ad<"20040106"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/23 17:50

S84	1	S67 near5 (base near electrode\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/23 17:32
S85	510	S67 near5 (electrode)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/23 17:50
S86	234	S85 and @ad<"20040106"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/23 18:01
S87	398	438/312.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/23 18:01
S88	16	S87 and S67	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/23 18:01
S89	13	S88 and @ad<"20040106"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/23 18:22
S90	63442	(indium near8 nitride) "InAlGaAsN" "InGaN" "InAsN" "InN" "InAlGaN" "AlInGaN" "GaNAlIn" "GaAlInN" "AlGaNIn" "AlGaInN"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/24 11:23

## **EAST Search History**

## EAST Search History

S84	1	S67 near5 (base near electrode\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/23 17:32
S85	510	S67 near5 (electrode)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/23 17:50
S86	234	S85 and @ad<"20040106"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/23 18:01
S87	398	438/312.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/23 18:01
S88	16	S87 and S67	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/23 18:01
S89	13	S88 and @ad<"20040106"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/23 18:22
S90	63442	(indium near8 nitride) "InAlGaAsN" "InGaN" "InAsN" "InN" "InAlGaN" "AlInGaN" "GaNAlIn" "GaAlInN" "AlGaNIn" "AlGaInN"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/24 11:23

## EAST Search History

S91	63442	S90	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/23 18:21
S93	510	S90 near5 (electrode)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/23 18:22
S94	234	S93 and @ad<"20040106"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/23 18:46
S95	2192	257/94,96-97.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/23 18:45
S96	760	S95 and S90	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/23 18:45
S97	512	S96 and @ad<"20040106"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/23 18:54
S98	683	(indium or "In") near3 (contain or containing) near5 (nitride or "N") near4 (layer or film or area or region)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/23 18:53

## EAST Search History

S99	478	S98 and @ad<"20040106"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/24 11:22
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